IN THE CLAIMS:

Please amend the claims of the present application as indicated in the complete listing of pending claims provided below.

1.    (Currently Amended) A method to produce visual effect on a display, the method comprising:

receiving a first time length; and

adjusting, according to an elapsed time, color correction parameters a plurality of times during a time period of the first length;

wherein said adjusting the color correction parameters comprises:

determining a first value of the elapsed time;

determining first values of the color correction parameters according to the first value of the elapsed time;

determining a second value of the elapsed time; and

determining second values of the color correction parameters according to the second value of the elapsed time.

2.    (Original) A method as in claim 1, wherein the color correction parameters comprise at least one look up table for gamma correction; and wherein said elapsed time is measured by a real time clock which measures time during production of the visual effect.

3.    (Original) A method as in claim 2, wherein the at least one look up table is adjusted to blend input color signals with a color; and wherein the input color signals is blended with the color according to the elapsed time.

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4.      (Original) A method as in claim 3, wherein a weight on the color to blend the input

color signals with the color changes faster near a middle of the time period than at

one of:

a) a beginning of the time period; and

b) an end of the time period.

5.      (Original) A method as in claim 4, wherein the weight is determined from a function

of the elapsed time.

6.      (Original) A method as in claim 1, further comprising:

performing color correction according to the color correction parameters.

7.      (Original) A method as in claim 1, wherein said adjusting the color correction

parameters comprises:

instructing a graphics processing unit (GPU) to adjust the color correction parameters

according to the elapsed time.

8.      (Original) A method as in claim 1, wherein a frequency for said adjusting the color

correction parameters is determined according to a refreshing frequency for

displaying, on the display, input color signals corrected by the color correction

parameters.

9.      (Original) A method as in claim 8, wherein the frequency for said adjusting the color

correction parameters is substantially equal to the refreshing frequency.

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10.     (Canceled)

11.     (Currently Amended) A method as in ~~claim 10~~ claim 1, wherein said adjusting the
        color correction parameters is performed by an operating system of a data processing
        system according to a task scheduler in response to a request from an application
        program running on the data processing system.

12.     (Original) A method as in claim 11, wherein the application program is allowed to
        execute operations during the time period.

13.     (Original) A method as in claim 11, wherein the application program is not allowed to
        execute operations until the request is fulfilled.

14.     (Original) A method as in claim 1, further comprising:
        restoring, after the time period, the color correction parameters to values that the
                color correction parameters have before the time period.

15.     (Original) A method as in claim 14, wherein said restoring is performed on expiration
        of a reservation time period, within which said adjusting the color correction
        parameters is performed.

16.     (Original) A method as in claim 1, further comprising:
        receiving a second time length from a second application program; and

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adjusting, according to an elapsed time, the color correction parameters a plurality of

times during a time period of the second length in response to a request from

the second application program;

wherein the first time length is received from a first application program; and

wherein said adjusting the color correction parameters during the time period of the

first length is in response to a request from the first application program.


17.     (Original) A method as in claim 1, further comprising:

receiving a request for a reservation from a first application program; and

granting a first reservation to the first application program in response to a

determination that there is no pending reservation;

wherein the first time length is received from the first application program; and

wherein said adjusting the color correction parameters is in response to a request from

the first application program that is in possess of the first reservation.


18.     (Original) A method as in claim 17, wherein said adjusting the color correction

parameters is performed after a determination that the request from the first

application program is received within a reservation time period for the first

reservation.


19.     (Original) A method as in claim 18, further comprising:

restoring, upon expiration of the reservation, the color correction parameters to values

that the color correction parameters have before the reservation.


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20.   (Currently Amended) A machine readable medium containing executable computer

program instructions which when executed by a data processing system cause said

system to perform a method to produce visual effect on a display of the data

processing system, the method comprising:

receiving a first time length; and

adjusting, according to an elapsed time, color correction parameters a plurality of

        times during a time period of the first length;

wherein said adjusting the color correction parameters comprises:

        determining a first value of the elapsed time;

        determining first values of the color correction parameters according to the

                first value of the elapsed time;

        determining a second value of the elapsed time; and

        determining second values of the color correction parameters according to the

                second value of the elapsed time.

21.   (Original) A medium as in claim 20, wherein the color correction parameters

comprise at least one look up table for gamma correction; and wherein said elapsed

time is measured by a real time clock which measures time during production of the

visual effect.

22.   (Original) A medium as in claim 21, wherein the at least one look up table is adjusted

to blend input color signals with a color; and wherein the input color signals is

blended with the color according to the elapsed time.

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23. (Original) A medium as in claim 22, wherein a weight on the color to blend the input color signals with the color changes faster near a middle of the time period than at one of:

a) a beginning of the time period; and

b) an end of the time period.

24. (Original) A medium as in claim 23, wherein the weight is determined from a function of the elapsed time.

25. (Original) A medium as in claim 20, wherein the method further comprises:

performing color correction according to the color correction parameters.

26. (Original) A medium as in claim 20, wherein said adjusting the color correction parameters comprises:

instructing a graphics processing unit (GPU) to adjust the color correction parameters according to the elapsed time.

27. (Original) A medium as in claim 20, wherein a frequency for said adjusting the color correction parameters is determined according to a refreshing frequency for displaying, on the display, input color signals corrected by the color correction parameters.

28. (Original) A medium as in claim 27, wherein the frequency for said adjusting the color correction parameters is substantially equal to the refreshing frequency.

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29.     (Canceled)

30.     (Currently Amended) A medium as in claim 29 claim 20, wherein said adjusting the color correction parameters is performed by an operating system of a data processing system according to a task scheduler in response to a request from an application program running on the data processing system.

31.     (Original) A medium as in claim 30, wherein the application program is allowed to execute operations during the time period.

32.     (Original) A medium as in claim 30, wherein the application program is not allowed to execute operations until the request is fulfilled.

33.     (Original) A medium as in claim 20, wherein the method further comprises: restoring, after the time period, the color correction parameters to values that the color correction parameters have before the time period.

34.     (Original) A medium as in claim 33, wherein said restoring is performed on expiration of a reservation time period, within which said adjusting the color correction parameters is performed.

35.     (Original) A medium as in claim 20, wherein the method further comprises: receiving a second time length from a second application program; and

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adjusting, according to an elapsed time, the color correction parameters a plurality of

times during a time period of the second length in response to a request from

the second application program;

wherein the first time length is received from a first application program; and

wherein said adjusting the color correction parameters during the time period of the

first length is in response to a request from the first application program.

36.  (Original) A medium as in claim 20, wherein the method further comprises:

receiving a request for a reservation from a first application program; and

granting a first reservation to the first application program in response to a

determination that there is no pending reservation;

wherein the first time length is received from the first application program; and

wherein said adjusting the color correction parameters is in response to a request from

the first application program that is in possess of the first reservation.

37.  (Original) A medium as in claim 36, wherein said adjusting the color correction

parameters is performed after a determination that the request from the first

application program is received within a reservation time period for the first

reservation.

38.  (Original) A medium as in claim 37, wherein the method further comprises:

restoring, upon expiration of the reservation, the color correction parameters to values

that the color correction parameters have before the reservation.

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39. (Currently Amended) A data processing system to produce visual effect on a display

device, the data processing system comprising:

means for receiving a first time length; and

means for adjusting, according to an elapsed time, color correction parameters a

plurality of times during a time period of the first length;

wherein said means for adjusting the color correction parameters comprises:

means for determining a first value of the elapsed time;

means for determining first values of the color correction parameters

according to the first value of the elapsed time;

means for determining a second value of the elapsed time; and

means for determining second values of the color correction parameters

according to the second value of the elapsed time.


40. (Original) A data processing system as in claim 39, wherein the color correction

parameters comprise at least one look up table for gamma correction; and wherein

said elapsed time is measured by a real time clock which measures time during

production of the visual effect.


41. (Original) A data processing system as in claim 40, wherein the at least one look up

table is adjusted to blend input color signals with a color; and wherein the input color

signals is blended with the color according to the elapsed time.


42. (Original) A data processing system as in claim 41, wherein a weight on the color to

blend the input color signals with the color changes faster near a middle of the time

period than at one of:


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a) a beginning of the time period; and

b) an end of the time period.

43.     (Original) A data processing system as in claim 42, wherein the weight is determined from a function of the elapsed time.

44.     (Original) A data processing system as in claim 39, further comprising:
means for performing color correction according to the color correction parameters.

45.     (Original) A data processing system as in claim 39, wherein said means for adjusting the color correction parameters comprises:
means for instructing a graphics processing unit (GPU) to adjust the color correction parameters according to the elapsed time.

46.     (Original) A data processing system as in claim 39, wherein a frequency for adjusting the color correction parameters is determined according to a refreshing frequency for displaying, on the display device, input color signals corrected by the color correction parameters.

47.     (Original) A data processing system as in claim 46, wherein the frequency for adjusting the color correction parameters is substantially equal to the refreshing frequency.

48.     (Canceled)

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49.  (Currently Amended) A data processing system as in ~~claim 48~~ claim 39, wherein the color correction parameters are adjusted by an operating system of a data processing system according to a task scheduler in response to a request from an application program running on the data processing system.

50.  (Original) A data processing system as in claim 49, wherein the application program is allowed to execute operations during the time period.

51.  (Original) A data processing system as in claim 49, wherein the application program is not allowed to execute operations until the request is fulfilled.

52.  (Original) A data processing system as in claim 39, further comprising:
    means for restoring, after the time period, the color correction parameters to values that the color correction parameters have before the time period.

53.  (Original) A data processing system as in claim 52, wherein the color correction parameters are restored on expiration of a reservation time period, within which said adjusting the color correction parameters is performed.

54.  (Original) A data processing system as in claim 39, further comprising:
    means for receiving a second time length from a second application program; and
    means for adjusting, according to an elapsed time, the color correction parameters a plurality of times during a time period of the second length in response to a request from the second application program;
    wherein the first time length is received from a first application program; and

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wherein the color correction parameters are adjusted during the time period of the

first length in response to a request from the first application program.


55.     (Original) A data processing system as in claim 39, further comprising:

means for receiving a request for a reservation from a first application program; and

means for granting a first reservation to the first application program in response to a

determination that there is no pending reservation;

wherein the first time length is received from the first application program; and

wherein the color correction parameters are adjusted in response to a request from the

first application program that is in possess of the first reservation.


56.     (Original) A data processing system as in claim 55, wherein the color correction

parameters are adjusted after a determination that the request from the first

application program is received within a reservation time period for the first

reservation.


57.     (Original) A data processing system as in claim 56, further comprising:

means for restoring, upon expiration of the reservation, the color correction

parameters to values that the color correction parameters have before the

reservation.


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